

# WEST Search History

DATE: Wednesday, January 29, 2003

| <u>Set Name</u><br>side by side                | <u>Query</u>                            | <u>Hit Count</u> | <u>Set Name</u><br>result set |
|--|---|------------------|-------------------------------|
| <i>DB=USPT,PGPB,JPAB,EPAB; PLUR=YES; OP=OR</i> |   |                  |                               |
| L15  | L14 and stomach                         | 16               | L15                           |
| L14  | L13 and (ser or gly or octanoyl or phe) | 143              | L14                           |
| L13  | L11 and ghrh                            | 193              | L13                           |
| L12  | L11 abd ghrh                            | 7332             | L12                           |
| L11  | "growth hormone" and antagonist\$       | 4588             | L11                           |
| L10  | gssf\$                                  | 5                | L10                           |
| L9   | gssflspe\$                              | 0                | L9                            |
| L8   | gssflspe                                | 0                | L8                            |
| L7   | gssf                                    | 2                | L7                            |
| L6   | L5gssf                                  | 0                | L6                            |
| L5   | ghrelin\$                               | 20               | L5                            |
| L4   | ghrelin?                                | 2                | L4                            |
| L3   | ghrelin                                 | 20               | L3                            |
| L2   | L1                                      | 0                | L2                            |
| <i>DB=USPT; PLUR=YES; OP=OR</i>                |   |                  |                               |
| L1   | ghrelin\$                               | 0                | L1                            |

END OF SEARCH HISTORY

NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:59:44 ON 29 JAN 2003

=> file registry  
COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 0.21       | 0.21    |

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 10:59:58 ON 29 JAN 2003

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 JAN 2003 HIGHEST RN 482573-45-5

DICTIONARY FILE UPDATES: 28 JAN 2003 HIGHEST RN 482573-45-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e gssf/sqep

|     |       |   |
|-----|-------|---|
| E1  | 1     | GSSEVENCKV/SQEP   |
| E2  | 1     | GSSEVPQNNPDLQAHAGK/SQEP   |
| E3  | 3 --> | GSSF/SQEP   |
| E4  | 1     | GSSFFVATGFHGLHVLIGTTFLFICFLRLITFHFSNNHHFGFEAAAWYWHFVDVWVWFLY<br>ICICWWS/SQEP  |
| E5  | 1     | GSSFFYRTLYFSLLSRQKLYDLMSSEEFQSEVIFSDSFTRKDNKNSHNNENYERKSTE<br>KDKISSPVRIPSRTTIRYTEEEGEMTPPHVIEKRRTEAQMASFCTLKGRDLSRHRNTV<br>LRMTAFWK/SQEP |
| E6  | 1     | GSSFIILCHILYSAFSTNKIQHLKQICNEKYFVLGKNVVHQLSVTLEDLYNGATRKLALQ<br>KNVICDKCEG/SQEP   |
| E7  | 2     | GSSFK/SQEP  |
| E8  | 2     | GSSFL/SQEP  |
| E9  | 1     | GSSFLGGSPSVAQAGVHLPDHGSLQ'AAA'DKSPSVQKMSKWIGCSGACL'AAA'SQLLR<br>RLRCQGRISP'AAA'GQACSEP'AAA'SGRCTPAWATEGDPPKLLPYTTDS/SQEP                  |
| E10 | 1     | GSSFLK/SQEP   |
| E11 | 1     | GSSFLS/SQEP   |

```

E12          1      GSSFLSK/SQEP

=> s gssf/sqep
      3 GSSF/SQEP
54094 SQL=4
L1          3 GSSF/SQEP
      (GSSF/SQEP AND SQL=4)

=> e gssflspe /sqep
E1          1      GSSFLSK/SQEP
E2          9      GSSFLSP/SQEP
E3          2 --> GSSFLSPE/SQEP
E4          1      GSSFLSPEAKLQPR/SQEP
E5          6      GSSFLSPEH/SQEP
E6          4      GSSFLSPEHQ/SQEP
E7          1      GSSFLSPEHQELQRKEAKKPSGRLKPRTLEGQFDPEVGSQAEGAEELEIRFNAPFNIGI
      KLAGAQLQHGQTLGK/SQEP
E8          1      GSSFLSPEHQK/SQEP
E9          1      GSSFLSPEHQKAQQR/SQEP
E10         1      GSSFLSPEHQKAQQRKES/SQEP
E11         9      GSSFLSPEHQKAQQRKESKKPPAKLQPR/SQEP
E12         1      GSSFLSPEHQKAQQRKESKKPPAKLQPRALEGWLHPEDRGQAEAAEELEIRFNAPFDVG
      IKLSGAQYQQHGRALGKFLQDILWEEVKEAPANK/SQEP

=> s gssflspe /sqep
      2 GSSFLSPE/SQEP
43659 SQL=8
L2          2 GSSFLSPE /SQEP
      (GSSFLSPE/SQEP AND SQL=8)

=> e gssfaklqpr /sqep
E1          1      GSSEVPQNNPDLQAHAGK/SQEP
E2          3      GSSF/SQEP
E3          0 --> GSSFAKLQPR/SQEP
E4          1      GSSFFVATGFHGLHVLIGTTFLFICFLRLITFHSNNHHFGFEAAWYWHFVDVWVWFLY
      ICICWWGS/SQEP
E5          1      GSSFFYRTLYFSLLSRQKLYDLMSSEEFQSEVIFSDSFTRKDNKNSHNNENYERKSTE
      KDKISSPVRI PSRTTIRYTEEEGEMTPPHVIEKRRTAQMAFSFCTLKGRDLSRHRNTV
      LRMTAFWK/SQEP
E6          1      GSSFIILCHILYSAFSTNKIQHLKQICNEKYFVLGKNVVHQLSVTLEDLYNGATRKLALQ
      KNVICDKCEG/SQEP
E7          2      GSSFK/SQEP
E8          2      GSSFL/SQEP
E9          1      GSSFLGGSPSVAQAGVHLPDHGSLQ'AAA'DKSPSVQKMSKWIGCSGACL'AAA'SQLLR
      RLRCQGRISP'AAA'GQACSEP'AAA'SGRCTPAWATEGDPPKKLLPYTTDS/SQEP
E10         1      GSSFLK/SQEP
E11         1      GSSFLS/SQEP
E12         1      GSSFLSK/SQEP

=> e gssflspeaklqpr/sqep
E1          9      GSSFLSP/SQEP
E2          2      GSSFLSPE/SQEP
E3          1 --> GSSFLSPEAKLQPR/SQEP
E4          6      GSSFLSPEH/SQEP
E5          4      GSSFLSPEHQ/SQEP
E6          1      GSSFLSPEHQELQRKEAKKPSGRLKPRTLEGQFDPEVGSQAEGAEELEIRFNAPFNIGI
      KLAGAQLQHGQTLGK/SQEP
E7          1      GSSFLSPEHQK/SQEP
E8          1      GSSFLSPEHQKAQQR/SQEP
E9          1      GSSFLSPEHQKAQQRKES/SQEP
E10         9      GSSFLSPEHQKAQQRKESKKPPAKLQPR/SQEP
E11         1      GSSFLSPEHQKAQQRKESKKPPAKLQPRALEGWLHPEDRGQAEAAEELEIRFNAPFDVG
      IKLSGAQYQQHGRALGKFLQDILWEEVKEAPANK/SQEP
E12         1      GSSFLSPEHQKAQQRKESKKPPAKLQPRY/SQEP

```

```
=> s gssflspeaklqpr/sqep
      1 GSSFLSPEAKLQPR/SQEP
      35789 SQL=14
L3      1 GSSFLSPEAKLQPR/SQEP
      (GSSFLSPEAKLQPR/SQEP AND SQL=14)
```

```
=> file ca
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                               ENTRY      SESSION
FULL ESTIMATED COST          22.10      22.31
```

FILE 'CA' ENTERED AT 11:04:31 ON 29 JAN 2003  
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FILE COVERS 1907 - 23 Jan 2003 VOL 138 ISS 5  
 FILE LAST UPDATED: 23 Jan 2003 (20030123/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s l1
L4      8 L1

=> s l2 not l1
      5 L2
      8 L1
L5      0 L2 NOT L1

=> s l3 not l1
      2 L3
      8 L1
L6      0 L3 NOT L1
```

```
=> d l4 ti py 1-8
```

```
L4  ANSWER 1 OF 8  CA  COPYRIGHT 2003 ACS
TI  Short ghrelin peptides neither displace ghrelin binding in vitro nor
    stimulate GH release in vivo
PY  2002
```

```
L4  ANSWER 2 OF 8  CA  COPYRIGHT 2003 ACS
TI  Ghrelin antagonist peptides
PY  2002
    2002
    2002
```

```
L4  ANSWER 3 OF 8  CA  COPYRIGHT 2003 ACS
TI  Ghrelin analogs for use in screening compounds with growth hormone
    secretagogue receptor-activating ability and for inducing growth hormone
    secretion
PY  2001
```

L4 ANSWER 4 OF 8 CA COPYRIGHT 2003 ACS  
 TI Structure-Activity Relationship of Ghrelin: Pharmacological Study of Ghrelin Peptides  
 PY 2001

L4 ANSWER 5 OF 8 CA COPYRIGHT 2003 ACS  
 TI Structural Similarity of Ghrelin Derivatives to Peptidyl Growth Hormone Secretagogues  
 PY 2001

L4 ANSWER 6 OF 8 CA COPYRIGHT 2003 ACS  
 TI Structure-activity relationships of ghrelin: endogenous growth hormone secretagogue  
 PY 2001

L4 ANSWER 7 OF 8 CA COPYRIGHT 2003 ACS  
 TI Novel ghrelins, their encoding DNA sequences, and their use as therapeutics  
 PY 2001  
 2002  
 2002

L4 ANSWER 8 OF 8 CA COPYRIGHT 2003 ACS  
 TI Structure-Function Studies on the New Growth Hormone-Releasing Peptide, Ghrelin: Minimal Sequence of Ghrelin Necessary for Activation of Growth Hormone Secretagogue Receptor 1a  
 PY 2000

*I have*

=> d bib l4 1-7

L4 ANSWER 1 OF 8 CA COPYRIGHT 2003 ACS  
 AN 137:73541 CA  
 TI Short ghrelin peptides neither displace ghrelin binding in vitro nor stimulate GH release in vivo  
 AU Torsello, Antonio; Ghe, Corrado; Bresciani, Elena; Catapano, Filomena; Ghigo, Ezio; Deghenghi, Romano; Locatelli, Vittorio; Muccioli, Giampiero  
 CS Department of Experimental and Environmental Medicine and Biotechnologies, University of Milano-Bicocca, Milan, Italy  
 SO Endocrinology (2002), 143(5), 1968-1971  
 CODEN: ENDOAO; ISSN: 0013-7227  
 PB Endocrine Society  
 DT Journal  
 LA English

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 8 CA COPYRIGHT 2003 ACS  
 AN 136:129068 CA  
 TI Ghrelin antagonist peptides  
 IN Deghenghi, Romano  
 PA Zentaris A.-G., Germany  
 SO PCT Int. Appl., 9 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

|    | PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|----|---------------|------|----------|-----------------|----------|
| PI | WO 2002008250 | A2   | 20020131 | WO 2001-EP7929  | 20010710 |
|    | WO 2002008250 | A3   | 20020822 |                 |          |

W: AU, BG, BR, BY, CA, CN, CO, CZ, EE, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LT, LV, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, UZ, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
PT, SE, TR

US 2002187938 A1 20021212 US 2001-902556 20010710  
PRAI US 2000-220178P P 20000724  
OS MARPAT 136:129068

L4 ANSWER 3 OF 8 CA COPYRIGHT 2003 ACS  
AN 136:32165 CA  
TI Ghrelin analogs for use in screening compounds with growth hormone  
secretagogue receptor-activating ability and for inducing growth hormone  
secretion  
IN Bednarek, Maria  
PA Merck & Co., Inc., USA  
SO PCT Int. Appl., 37 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | WO 2001092292   | A2   | 20011206 | WO 2001-US17026 | 20010525 |
|      | W: CA, JP, US   |      |          |                 |          |
|      | RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,<br>PT, SE, TR |      |          |                 |          |
| PRAI | US 2000-207920P   | P    | 20000530 |                 |          |
| OS   | MARPAT 136:32165  |      |          |                 |          |

L4 ANSWER 4 OF 8 CA COPYRIGHT 2003 ACS  
AN 135:366876 CA  
TI Structure-Activity Relationship of Ghrelin: Pharmacological Study of  
Ghrelin Peptides  
AU Matsumoto, Masaru; Hosoda, Hiroshi; Kitajima, Yasuo; Morozumi, Naomi;  
Minamitake, Yoshiharu; Tanaka, Shoji; Matsuo, Hisayuki; Kojima, Masayasu;  
Hayashi, Yujiro; Kangawa, Kenji  
CS Suntory Institute for Medicinal Research & Development, Akaiwa,  
Chiyoda-machi, Ohra-gun, Gunma, 370-0503, Japan  
SO Biochemical and Biophysical Research Communications (2001), 287(1),  
142-146  
CODEN: BBRCA9; ISSN: 0006-291X  
PB Academic Press  
DT Journal  
LA English  
RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 8 CA COPYRIGHT 2003 ACS  
AN 135:175617 CA  
TI Structural Similarity of Ghrelin Derivatives to Peptidyl Growth Hormone  
Secretagogues  
AU Matsumoto, Masaru; Kitajima, Yasuo; Iwanami, Tatsuya; Hayashi, Yujiro;  
Tanaka, Shoji; Minamitake, Yoshiharu; Hosoda, Hiroshi; Kojima, Masayasu;  
Matsuo, Hisayuki; Kangawa, Kenji  
CS Suntory Institute for Medicinal Research & Development, Akaiwa,  
Chiyuoda-machi, Ohra-gun, Gunma, 370-0503, Japan  
SO Biochemical and Biophysical Research Communications (2001), 284(3),  
655-659  
CODEN: BBRCA9; ISSN: 0006-291X  
PB Academic Press  
DT Journal  
LA English  
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 8 CA COPYRIGHT 2003 ACS  
AN 135:602 CA

TI Structure-activity relationships of ghrelin: endogenous growth hormone  
 secretagogue  
 AU Matsumoto, Masaru; Kitajima, Yasuo; Iwanami, Tatsuya; Morozumi, Naomi;  
 Hayashi, Yujiro; Tanaka, Shoji; Minamitake, Yoshiharu; Hosoda, Hiroshi;  
 Kojima, Masayasu; Matsuo, Hisayuki; Kangawa, Kenji  
 CS Institute for Medicinal R&D, Suntory Limited, Gunma, 370-0503, Japan  
 SO Peptide Science (2001), Volume Date 2000, 37th, 101-104  
 CODEN: PSCIFQ; ISSN: 1344-7661  
 PB Japanese Peptide Society  
 DT Journal  
 LA English  
 RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 8 CA COPYRIGHT 2003 ACS  
 AN 134:142304 CA  
 TI Novel ghrelins, their encoding DNA sequences, and their use as  
 therapeutics  
 IN Kangawa, Kenji; Kojima, Masayasu; Hosoda, Hiroshi; Matsuo, Hisayuki;  
 Minamitake, Yoshiharu  
 PA Japan  
 SO PCT Int. Appl., 210 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

|    | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|----|---|------|----------|-----------------|----------|
| PI | WO 2001007475   | A1   | 20010201 | WO 2000-JP4907  | 20000724 |
|    | W: AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CR, CU,<br>CZ, DM, DZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ,<br>LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU,<br>SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, YU, ZA, ZM, AZ, BY,<br>KG, KZ, MD, RU, TJ, TM<br>RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,<br>DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,<br>CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG<br>BR 2000012688 A 20020416 BR 2000-12688 20000724<br>EP 1197496 A1 20020417 EP 2000-946453 20000724<br>R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO<br>PRAI JP 1999-210002 A 19990723<br>JP 1999-338841 A 19991129<br>JP 2000-126623 A 20000426<br>WO 2000-JP4907 W 20000724 |      |          |                 |          |

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 15.60      | 37.91   |

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 11:06:28 ON 29 JAN 2003